REMARKS

Reconsideration of the present application, as amended, is respectfully requested.

Status of the Claims

Claims 1-16 are pending in the application, claims 1-12 having been amended herein.

Claims 13-16 have been added to further highlight features of the invention disclosed in the specification. No new matter has been added.

Claims 1-9 have been rejected under 35 U.S.C. §112, second paragraph, as being indefinite.

Claims 1-12 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Herman in view of Plevin.

Claims Rejections - 35 U.S.C. §112, Second Paragraph

Claims 1-9 have been rejected under 35 U.S.C. §112, second paragraph, as being indefinite. In view of the amendments to the claims it is submitted that the Examiner's rejections of the claims under 35 U.S.C. §112, second paragraph, have been overcome.

Claims Rejections - 35 U.S.C. §103(a)

Claims 1-12 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Herman in view of Plevin. Applicant respectfully traverses this statement.

Applicant's invention relates to a process and machine in sequential winding stations which

are located in a production line processing a paper web at successive stages, having the steps of providing a full-width paper web issuing from a paper machine having a production width, the full-width paper web is reeled in a first reel-up around a first reel spool to form a reel,

unwinding the paper web in an unwinding station, passing the paper web through a finishing machine for paper and corresponding substantially to the production width of the paper machine is reeled in a second reel-up around a second reel spool to form a reel, wherein the first reel spools used in the area between the first reel-up of the paper machine and unwinding station thereafter have different dimensions, than the second reel spools used later in the production line for the full-width paper web.

Conversely, Herman teaches an apparatus and method for transfer of strip coils of steel (Column 1, lines 4-7). Herman also teaches that a composite B-coil can be produced from a number of A-coils of steel strip. (Column 7, lines 21-29). However, Herman does not anticipate or teach a process or apparatus providing *a full-width paper web issuing from a paper machine having a production width, the full-width paper web is reeled in a first reel-up around a first reel spool to form a reel* as in the present invention. The present invention discloses an apparatus and method with a paper web being defined as a full-width web corresponding substantially to the production width of the paper machine. This feature of the claimed invention is not taught or suggested by Herman. Accordingly it is submitted that Herman fails to teach alone or in combination the claimed invention.

Further, it is submitted that Herman relates to a non-analogous art from the claimed invention. The field of technology of Herman concerns the transfer of coils of steel in the steel industry. The transferring of strip coils of steel in a steel plant, is not in a related field of technology. It is submitted that the device in Herman is so distinct in nature and properties that one skilled in the art of sequential winding stations which are located in a production line processing a paper web at

successive stages in the paper industry would not seek to address or solve problems in the field of the transfer of coils of steel by consulting the steel industry field and the like. Accordingly it is submitted that Herman constitutes non-analogous art and should not be relied upon to reject the presently claimed invention.

Plevin teaches the winding of *smaller* customer rolls in a slitting and rewinding machine from a larger reel. Plevin shows that during this operation the full-width web is slit into narrower webs (Column 2, lines 10-16). On the other hand the present invention discloses reeling a full-width web onto a first reel and passing the paper web, at its full width, through a finishing machine for paper, and then winding the web at its full width onto a second reel. The first and second reels are structured and arranged such that the second reel has a *smaller diameter, as opposed to smaller width as in Plevin, as compared to the first reel.* Plevin does not disclose these steps of the present invention. The unwind station 10 of Plevin actually corresponds to the unwinding device mentioned at page 5, lines 13 through 16 of the specification. Accordingly, the claimed invention and the device disclosed in Plevin related to entirely different steps in the paper making process. Thus it is submitted that Plevin does not teach or suggest these features of the present invention to render the claimed invention obvious.

In view of the above it is submitted that the teachings of Herman cannot be combined with the teachings of Plevin in any manner to thereby render the claimed invention obvious.

Conclusion

In view of the above amendments it is submitted that the Examiner's rejections have been overcome and should be removed and the present application should now be in condition for

allowance.

Should any changes to the claims and/or specification be deemed necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the undersigned to discuss the same.

It is believed that this communication is being timely submitted. However, in the event that it is untimely and extension fees are required, this is to be considered a petition for extension and the Commissioner is hereby authorized to charge any requisite fee to Deposit Account No. 50-0518.

An early and favorable action on the merits is earnestly solicited.

Respectfully submitted,

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Marked-up Version of Claims as amended herein.

1. (Amended) Method in sequential winding stations which are located in a production line processing [the] a paper web at successive stages, comprising the steps of:

[wherein in the method the] providing a full-width paper web issuing from a paper machine [(PK)] having a production width, and reeling said full-width paper web [is reeled] in a first reel-up [(KR1)] around a first reel spool [(T1)] to form a reel; [,]

unwinding the paper web [is unwound] in an unwinding station [unwind (AR)] from the reel to a finishing machine [(JK)] for paper; [, and]

passing the paper web [passed] through the finishing machine [(JK)] for paper and corresponding substantially to the production width of the paper machine is reeled in a second reel-up [(KR2)] around a second reel spool [(T2)] to form a reel, wherein [**characterized** in that at least] the first reel spool arranged between the paper machine and the unwinding station [spools (T1) used in the area between the reel-up (KR1) of the paper machine [(PK)] and [an unwinding thereafter have different dimensions] has a different dimension, [advantageously larger diameters,] than the second reel spool [spools (T2) used later in the production line].

2. (Amended) Method according to claim 1, [**characterized** in that] wherein the reel [spools (T1)] spool used in the area between the first reel-up [(KR1)] of the paper machine [(PK)] and the [unwind] unwinding station [(AR)] of the finishing machine [(JK)] for paper [have] has a different [dimensions, advantageously larger diameters,] dimension than the second reel [spools] spool [(T2)] used in the second reel-up [(KR2)] of the finishing machine [(JK)] for paper.

3. (Amended) Method according to claim 2, [**characterized** in that] wherein the [unwind] unwinding station [(AR)] of the finishing machine [(JK)] is a continuous [unwind] unwinding station, in which the web is continuously led from successive reels to the finishing machine [(JK)].

4. (Twice Amended) Method according to claim 2, [**characterized** in that] wherein the second reel spool [spools (T2)] whose dimensions differ from those of the first reel spool [spools (T1)] used in the area between the first reel-up [(KR1)] of the paper machine [(PK)] and the [unwind] unwinding station [(AR)] of the finishing machine [(JK)] for paper, [are] is used in the production line in the second reel-up [(KR2)] of the finishing machine [(JK)] for paper and from there onwards.

5. (Twice Amended) Method according to claim 1, [**characterized** in that] wherein in the first reel-up [(KR1)] of the paper machine [(PK)], larger amounts[, preferably at least double amounts] of paper web are reeled on the [reels] reel than in the second reel-up [(KR2)] of the finishing machine [(JK)] for paper.

6. (Twice Amended) Method according to claim 1, [**characterized** in that] wherein the finishing machine [(JK)] for paper is a coater for paper or an off-line calender [such as a supercalender].

7. (Amended) Method in sequential winding stations which are located in a production line processing a paper web at successive stages, comprising the steps of: [wherein in the method, the]

providing a full-width paper web issuing from a preceding production stage is reeled in a first reel-up around a first reel spool to form a reel,

unwinding the paper web [is unwound] from the reel in an [unwind] unwinding station, and the full-width paper web is reeled in a second reel-up around a second reel spool to form a reel, **[characterized** in that] wherein [reeling in the first reel-up larger amounts, preferably at least double amounts] a lager amount of paper [are reeled] is reeled onto said first reel [on the reel than in the second reel-up] than onto said second reel.

8. (Amended) Method according to claim 7 [in sequential winding stations], **wherein** [in the method] the paper web issuing from the paper machine [(PK)] is reeled in the first reel-up [(KR1)] around [the] said reel first spool [(T1)] to form a reel, the paper web is unwound in [the] an unwinding station [unwind (AR)] from the reel to [the] a finishing machine [(JK)] for paper, and the paper web passed through the finishing machine [(JK)] for paper is reeled in [the] said second reel-up [(KR2)] around the second reel spool [(T2)] to form a reel, **[characterized** in that in] and wherein the first reel-up [(KR1)] of the paper machine [(PK)] contains larger amounts [, preferably at least double amounts,] of paper web [are] reeled on the reels than in the second reel-up [(KR2)] of the finishing machine [(JK)] for paper.

9. (Amended) Production line comprising sequential winding stations, in which a paper machine producing a full-width paper web [(PK)], comprising:

a first reel-up [(KR1)] for the paper machine,

an unwinding station structured and arranged to unwind the machine reels; [unwind (AR) of a finishing machine(JK) for paper, the]

a finishing machine [(JK)] for paper, said finishing machine processing the full-width paper web received from said unwinding station;[,] and

a second reel-up [(KR2)] of the finishing machine [(JK) for paper are located one after the other, **characterized** in that] wherein at least the [wind-up (KR1)] first reel-up of the paper machine is dimensioned for larger diameters of [the reel] reels to be reeled from the paper web than the second reel-up [(KR2)] designed to reel the full-width paper web from [of] the finishing machine [(JK)] for paper.

10. (Amended) Production line according to claim 9, [**characterized** in that] wherein also the unwinding station [unwind (AR)] of the finishing machine [(JK)] for paper is dimensioned for larger diameters of reels to be reeled from the paper web than the second reel-up [(KR2)] of the finishing machine [(JK)] for paper.

11. (Amended) Method for modernizing a production line comprising sequential winding stations, wherein in the production line a paper machine producing a full-width paper web [(PK)], a reel-up [(KR1)] for the paper machine, an unwinding station [unwind (AR)] of a finishing machine [(JK)] for paper, the finishing machine [(JK)] for paper processing the full-width paper web, and a second reel-up [(KR2)] of the finishing machine [(JK)] for paper are located one after the other, [**characterized** in that] wherein in the modernization at least the reel-up [(KR1)] of the paper machine is dimensioned for larger diameters of [the reel] reels to be reeled from the paper web than

the reel-up designed to reel the full-width paper web [(KR2) of] from the finishing machine [(JK)] for paper.

12. (Amended) Method according to claim 11, [**characterized** in that] wherein also the unwinding station [unwind (AR)] of the finishing machine [(JK)] for paper is dimensioned for larger diameters of reels to be reeled from the paper web than the reel-up [(KR2)] of the finishing machine [(JK)] for paper.